

Representations For Estimating Distance  
Philip N. Klein et al.  
Application No. 10/039,539

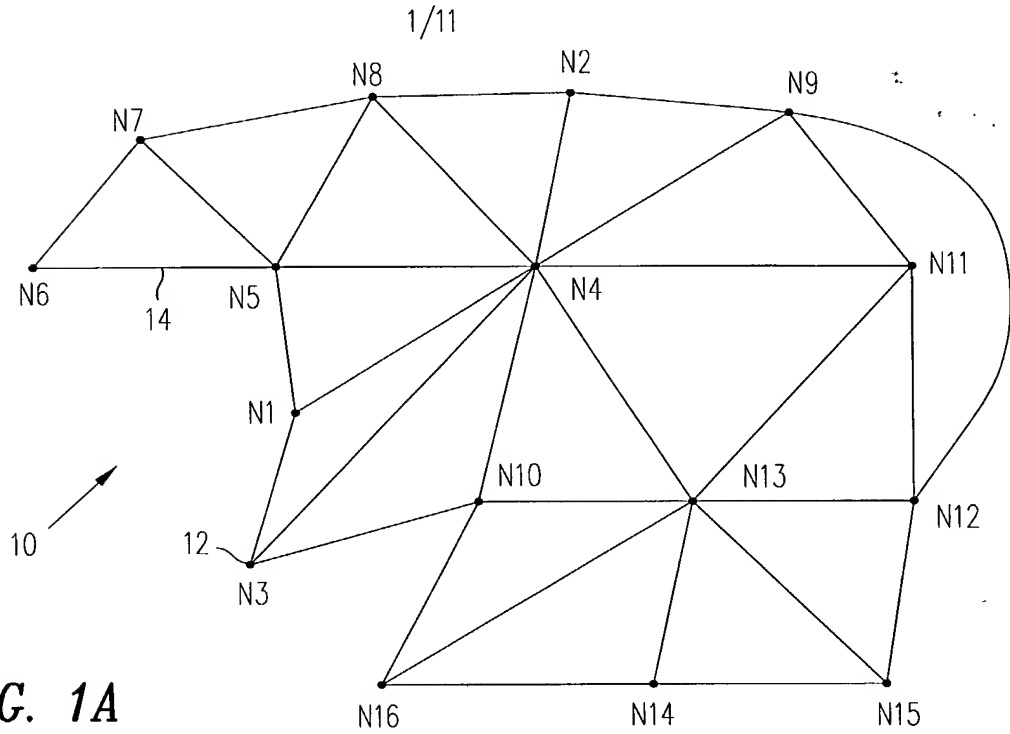


FIG. 1A

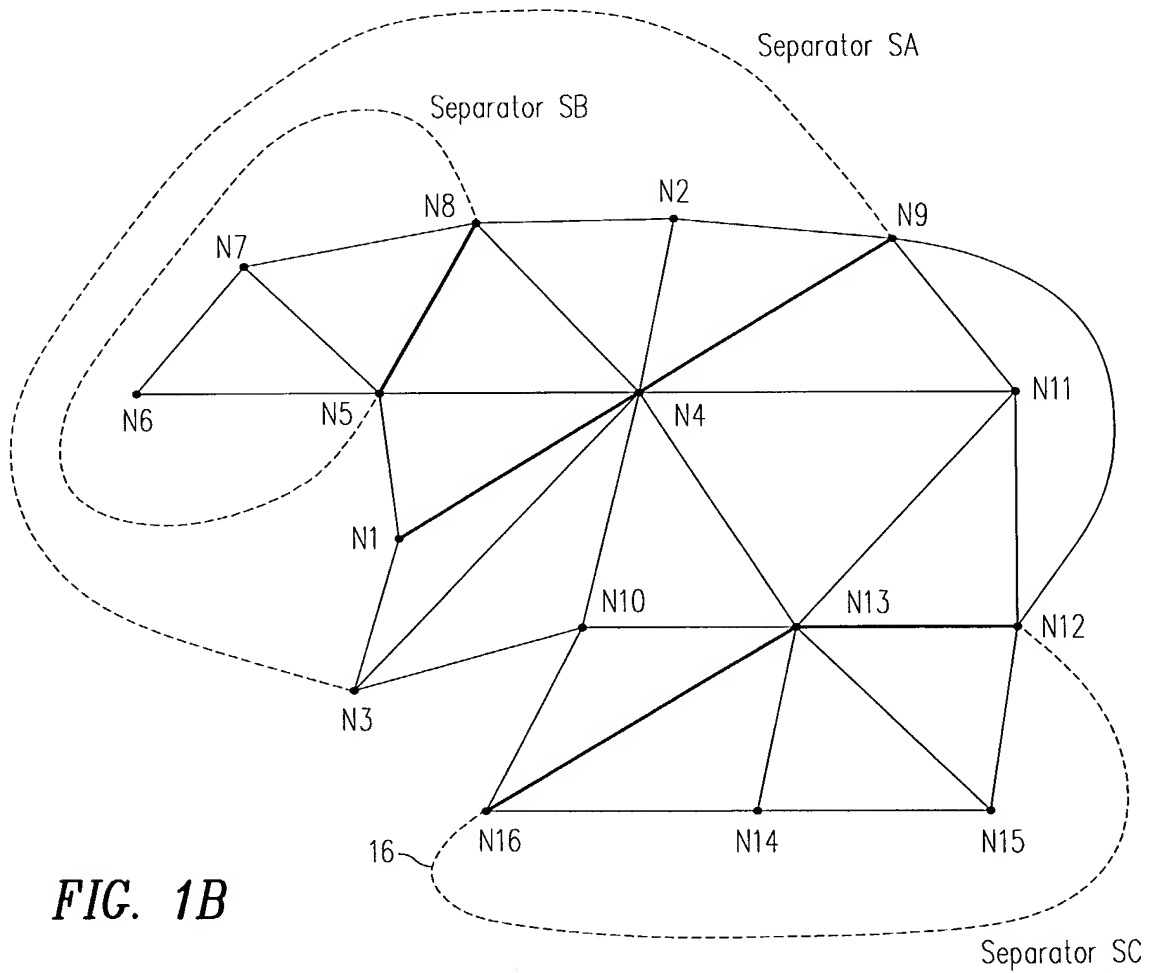


FIG. 1B

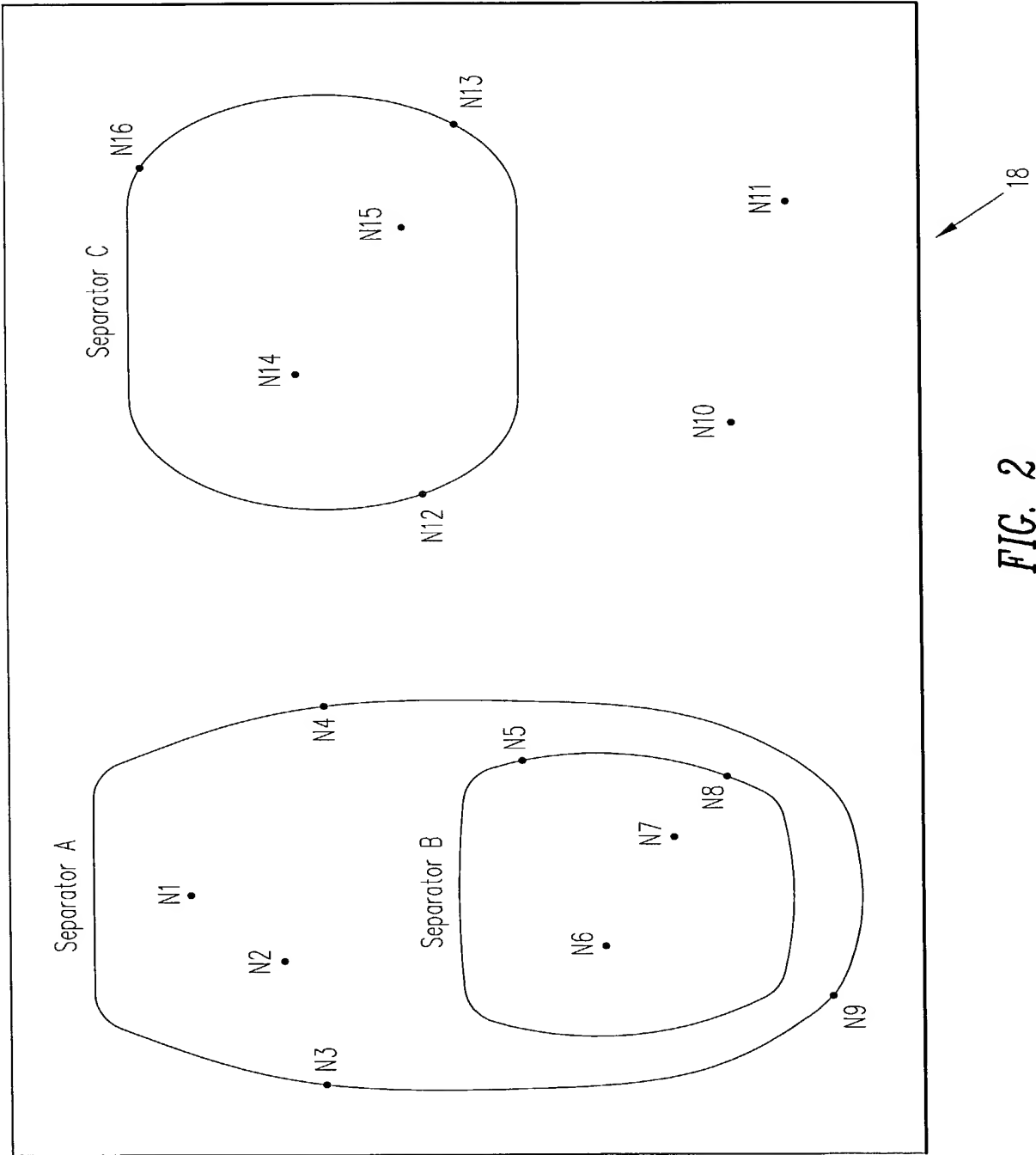


FIG. 2

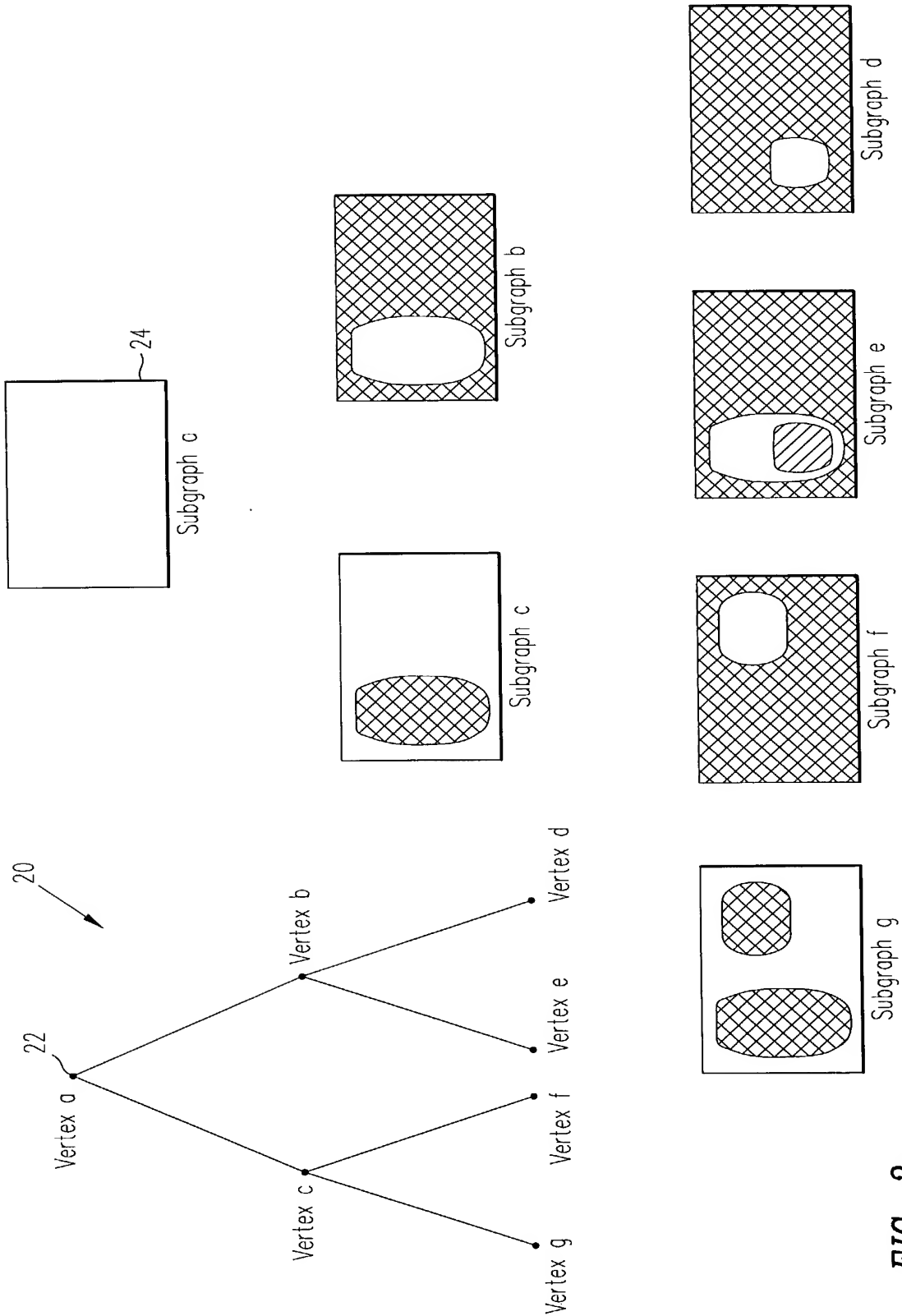


FIG. 3

## Representations For Estimating Distance

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Node No.	Vertex of Recursive Decomposition Tree
N1	Vb
N2	Vb
N3	Va
N4	Va
N5	Vb
N6	Vd
N7	Vd
N8	Vb
N9	Va
N10	Vg
N11	Vg
N12	Vc
N13	Vc
N14	Vf
N15	Vf
N16	Vc

**FIG. 4**32  
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Vertex of Recursive Decomposition Tree	Depth in Recursive Decomposition Tree
Va	0
Vb	1
Vc	1
Vd	2
Ve	2
Vf	2
Vg	2

**FIG. 5**

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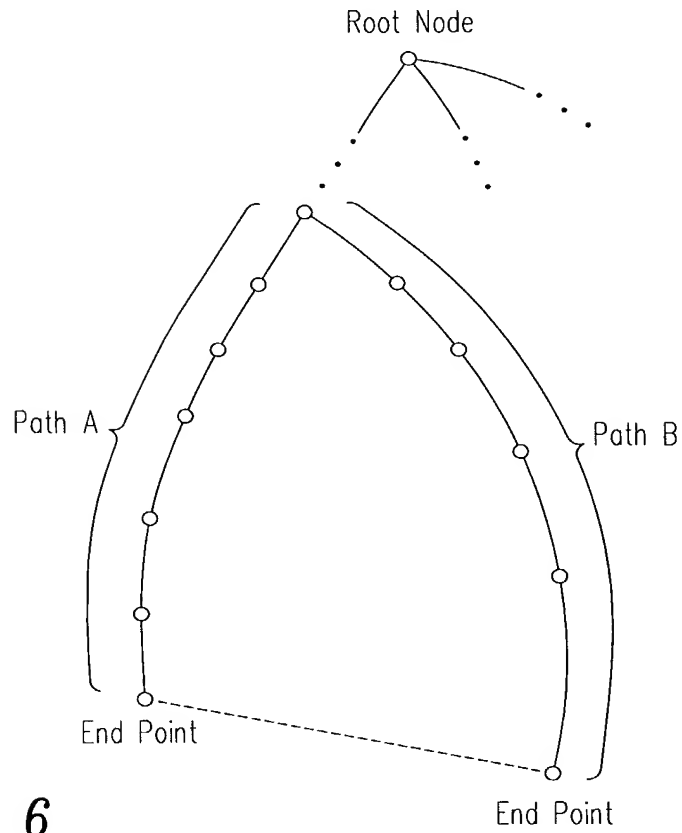


FIG. 6

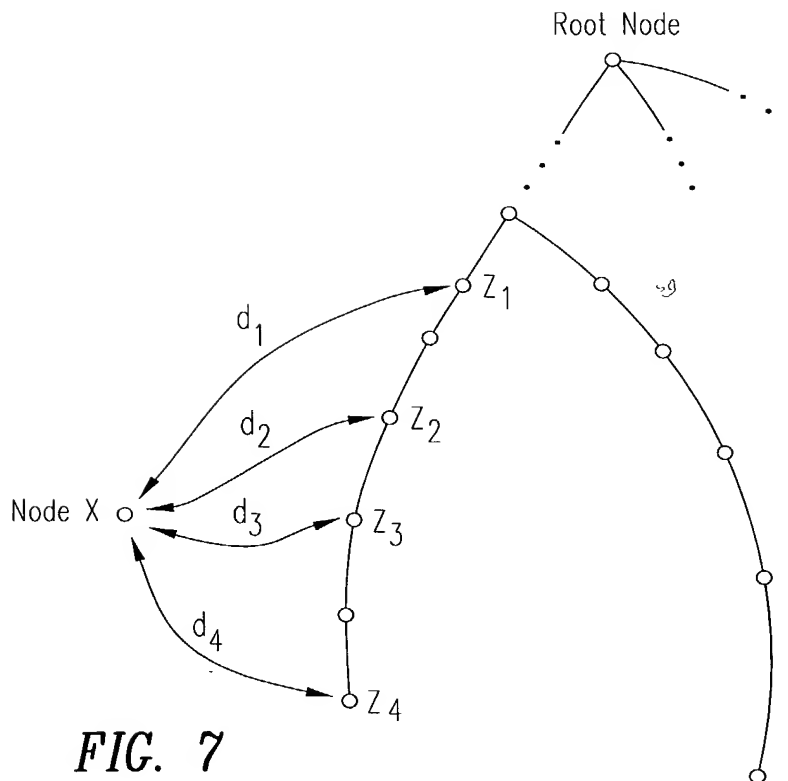


FIG. 7

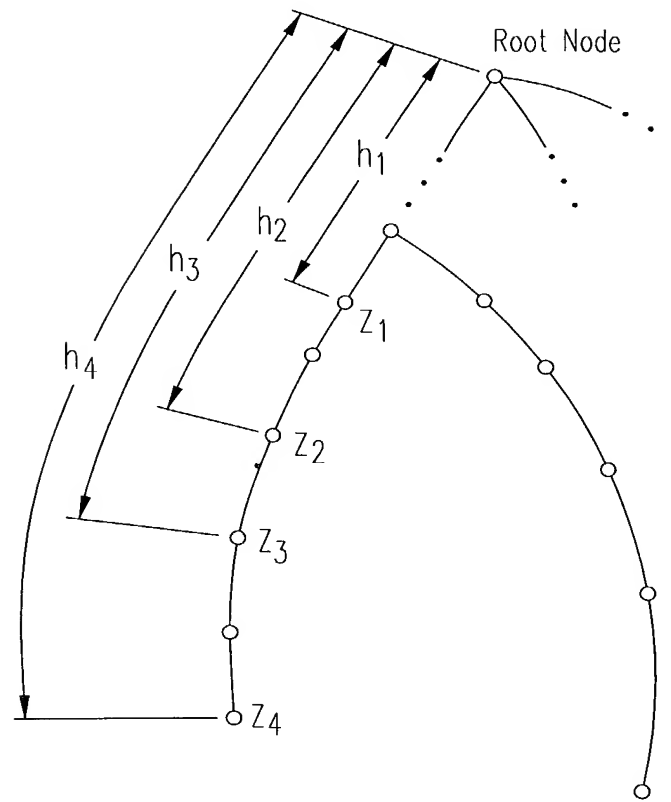


FIG. 8

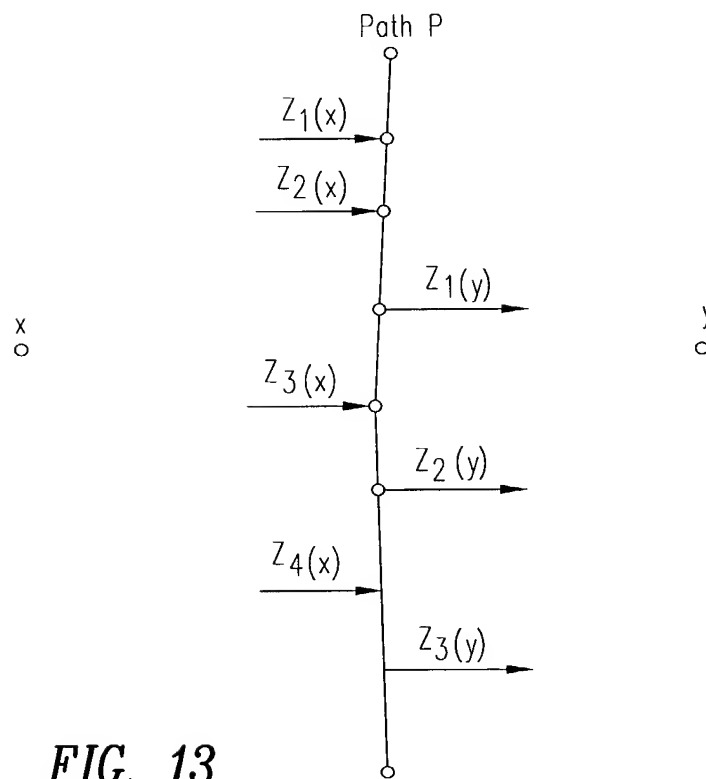


FIG. 13

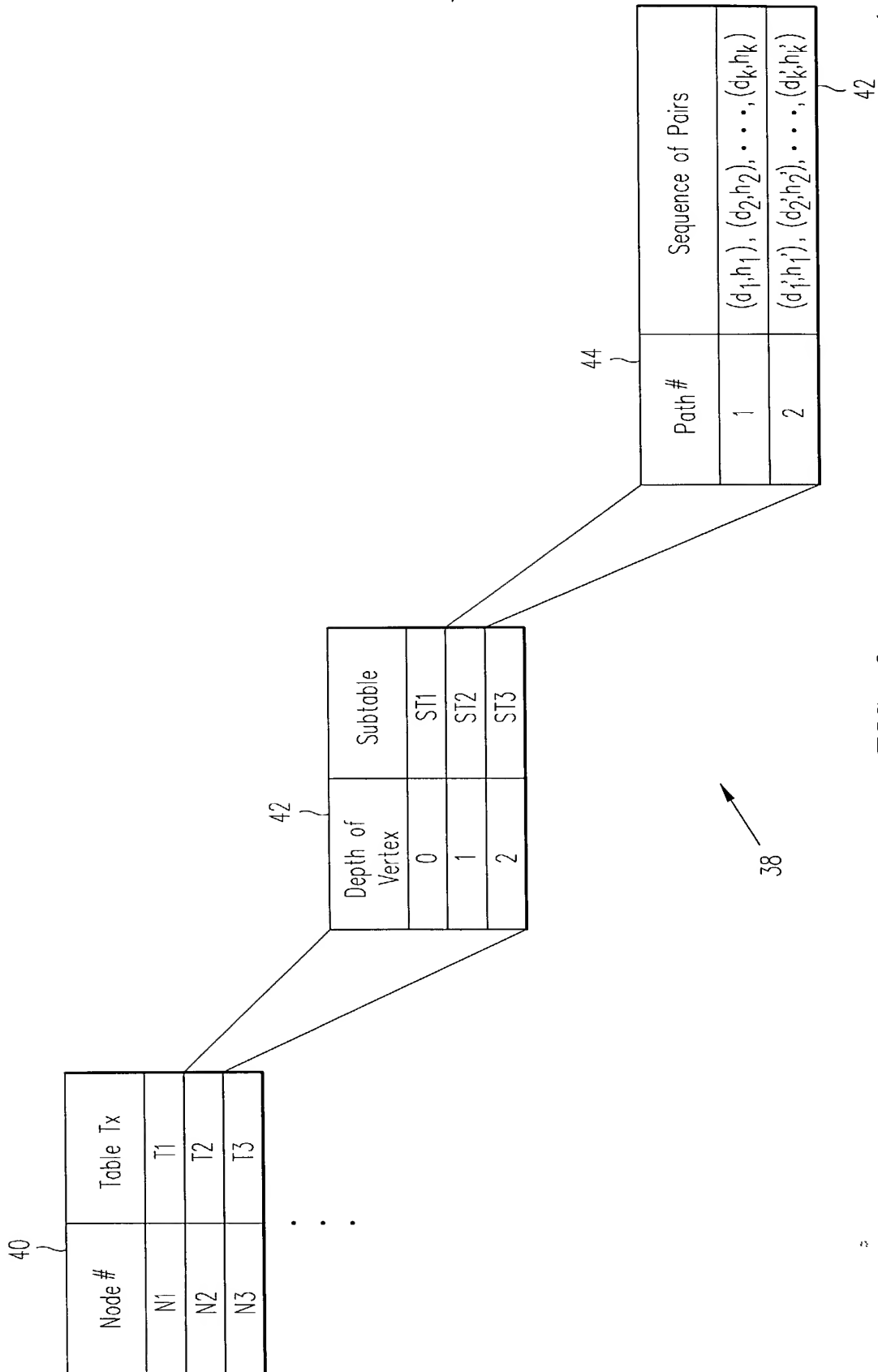


FIG. 9

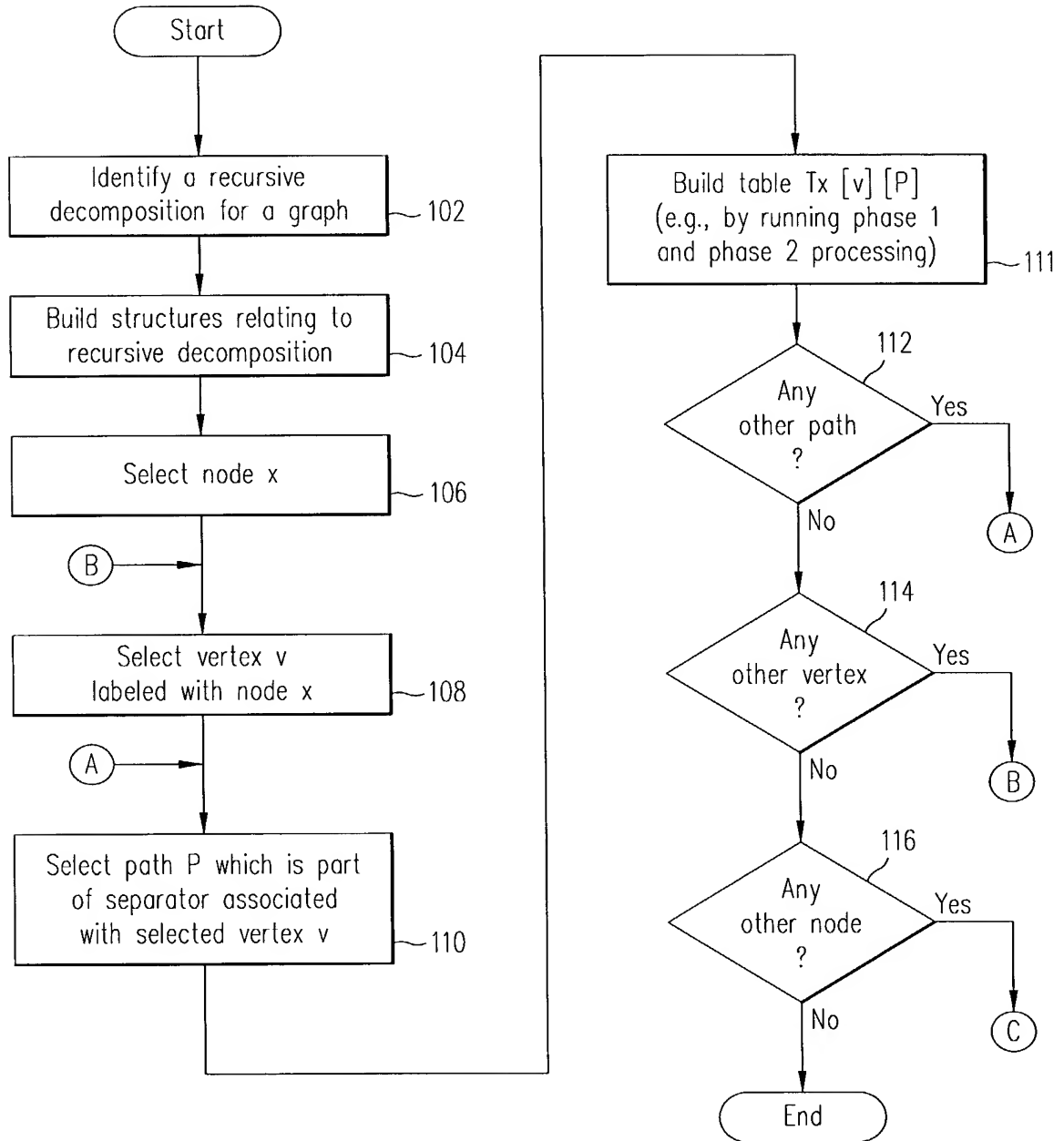


FIG. 10



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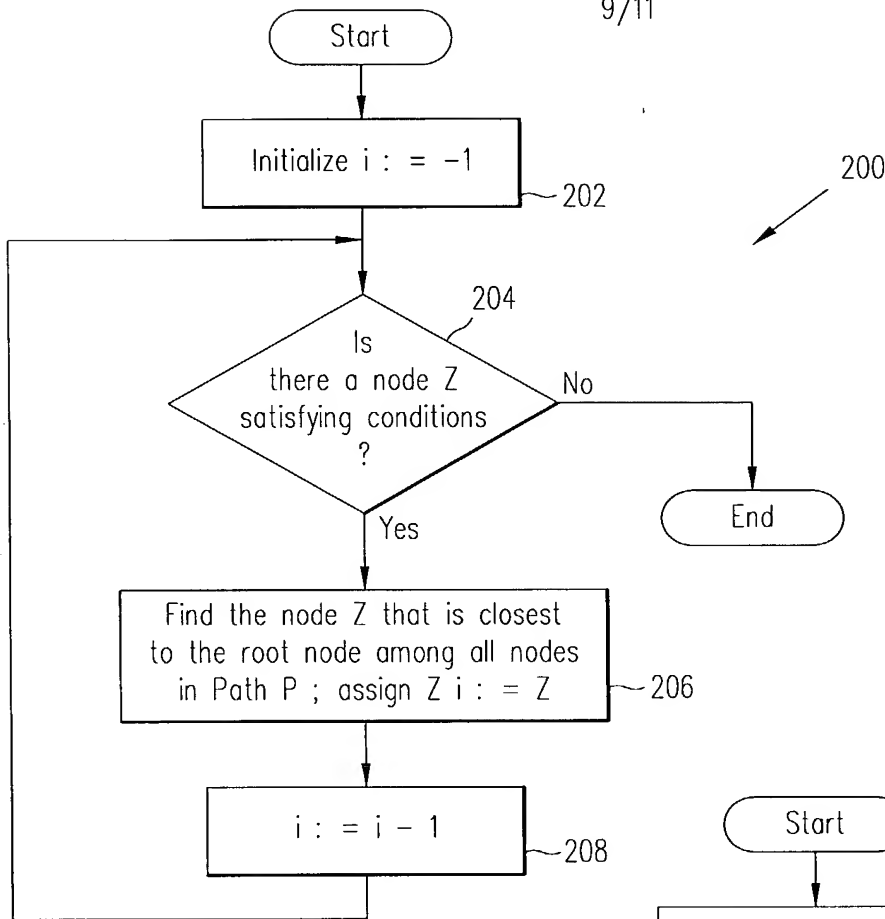


FIG. 11

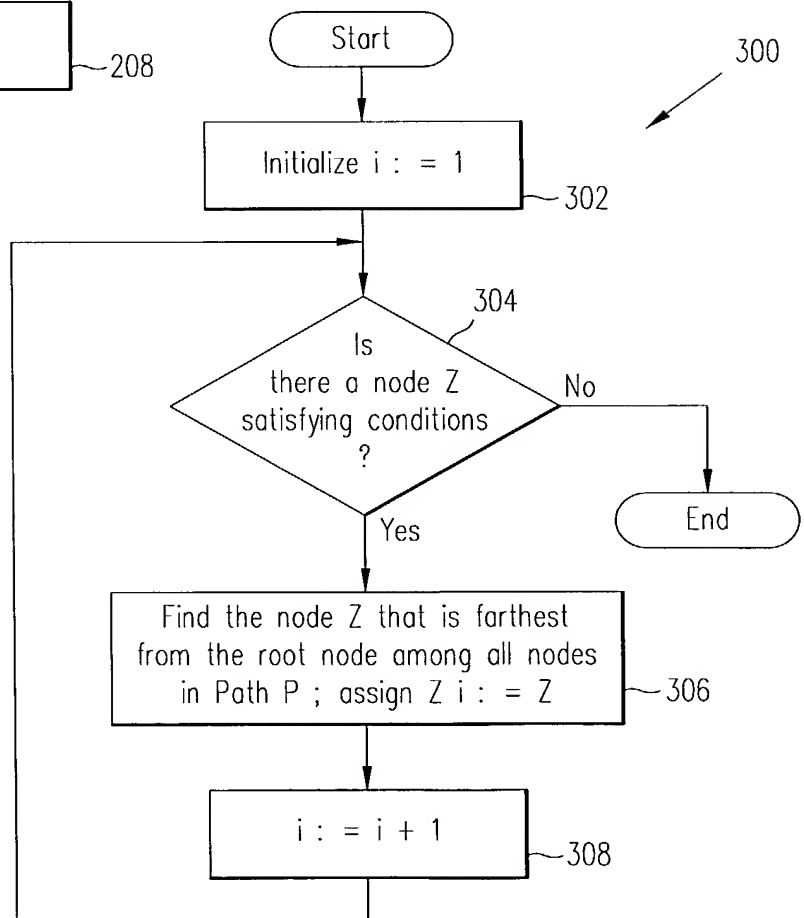


FIG. 12

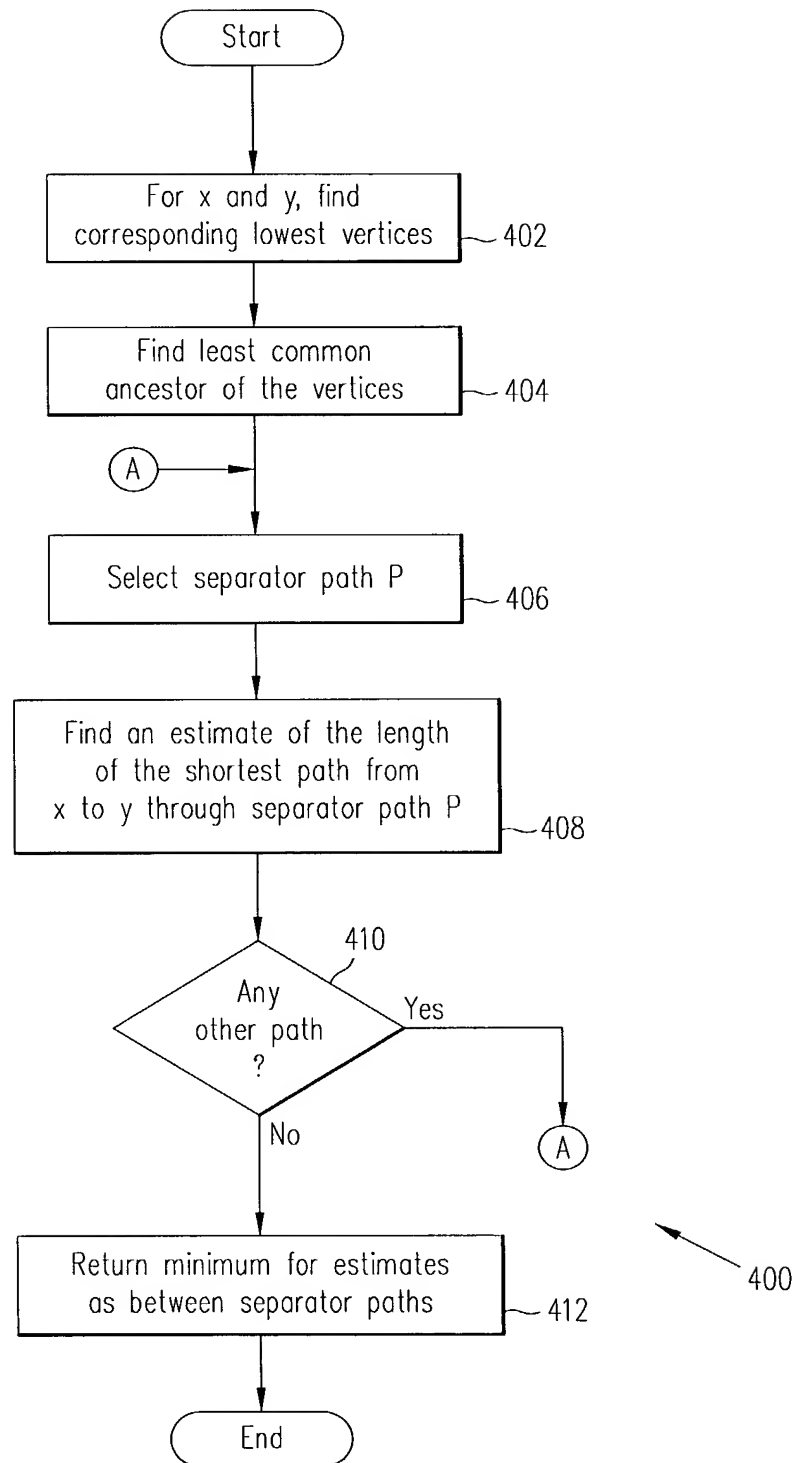


FIG. 14

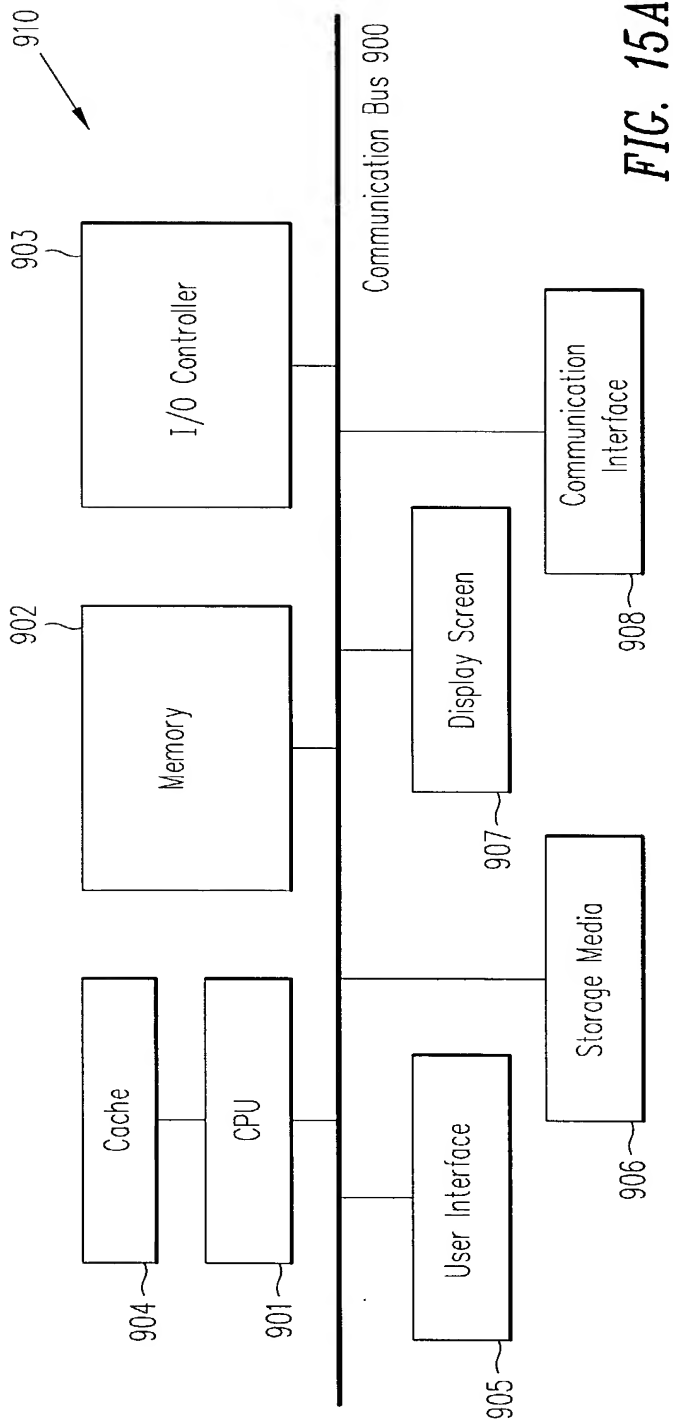


FIG. 15A

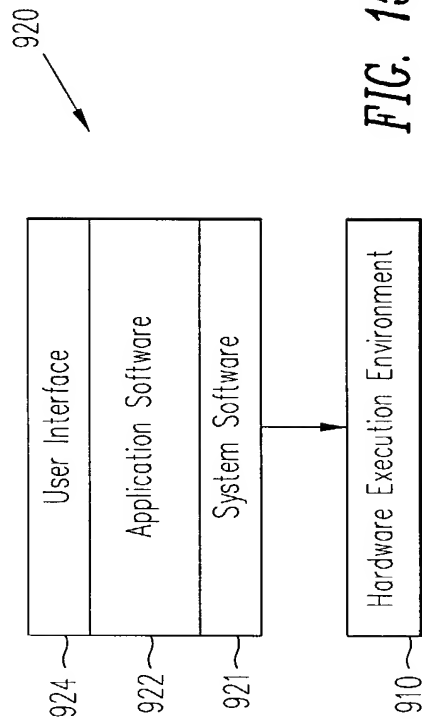


FIG. 15B